Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/29/2019 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124604	-1	2.71	124632	2.72
Blue	F	SSC	125000	124224	-1	1.65	125044	1.65
Blue	E	FITC	16122	15781	-3	3.06	343	20.34
Blue	D	PE	29316	28606	-3	2.44	622	15.22
Blue	B	PerCP-Cy5-5	42590	41687	-3	3.89	1121	20.12
Blue	A	PE-Cy7	33146	32490	-2	6.38	620	39.97
Red	C	APC	45473	45130	-1	2.69	1596	12.15
Red	A	APC-Cy7	31961	30984	-4	2.81	815	12.23
Violet	B	V450	7914	7604	-4	4.23	424	13.41
Violet	A	V500	29769	28695	-4	3.99	668	10.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21179	3.76	607	7	N/A	N/A	Pass
Blue	F	SSC	56260	1.47	546	8	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0195	147	Pass
Blue	D	PE	130	49.99	540	3	0.1468	240	Pass
Blue	B	PerCP-Cy5-5	205	49.42	640	2	0.0093	59	Pass
Blue	A	PE-Cy7	117	100.12	694	3	0.0116	23	Pass
Red	C	APC	378	25.42	584	5	0.0246	159	Pass
Red	A	APC-Cy7	180	29.65	560	4	0.0055	1210	Pass
Violet	B	V450	65	61.19	460	0	0.0498	2138	Pass
Violet	A	V500	100	33.63	472	0	0.0221	733	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/29/2019 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-31.59	1.04
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.57	13.60 - 20.40	N/A	N/A	28.99	29.61	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10727

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments